## INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/001567

A. CLASSIFICATION OF SUBJECT MATTER IPC 7: F17D **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) F17D 1/04, E21B 33/\*, 43/\* Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CPC 137/\*, 166/\* Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) Delphion, Canadian Patent Database, WEST, esp@cenet C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category\* 1, 21 A CA, A, 2350453 (LIKNES) 18 January 2002 see the whole document 1, 21 US, A, 6293341 (LEMETAYER) 25 September 2001 A see Fig. 1-3 1, 21 Α US, A, 5890549 (SPREHE) 6 April 1999 see Fig. 1 A, P US, A, 6672392 (REITZ) 2 October 2003 1, 21 see Fig. 1 Patent family members are listed in annex. Further documents are listed in the continuation of Box C. later document published after the international filing date or Special categories of cited documents: priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" "X" document of particular relevance; the claimed invention cannot earlier application or patent but published on or after the international be considered novel or cannot be considered to involve an filing date document which may throw doubts on priority claim(s) or which is inventive step when the document is taken alone document of particular relevance; the claimed invention cannot cited to establish the publication date of another citation or other special reason (as specified) be considered to involve an inventive step when the document document referring to an oral disclosure, use, exhibition or other is combined with one or more other such documents, such combination being obvious to a person skilled in the art document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of mailing of the international-type search report Date of the actual completion of the international-type search 9 December 2004 (09/12/2004) 24 December 2004 (24-12-2004) Name and mailing address of the ISA/CA Authorized officer Commissioner of Patents Zoran Novakovic (819) 956-0843 Canadian Patent Office - PCT Ottawa/Gatineau KIA 0C9

Facsimile No. 1-819-953-9358

## INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/CA2004/001567

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2350453	18-01-2002	US6629566 B2	07-10-2003
7777700540	06-04-1999	AU4032200 A	16-10-2000
US5890549	00-04-1999	AU5792898 A	17-07-1998
		CA2274169 A1	02-07-1998
		US5975219 A	02-11-1999
		US5992544 A	30-11-1999
		WO0058600 A1	05-10-2000
		WO9828517 A1	02-07-1998
	05 00 0001	BR9904277 A	17-04-2001
US6293341	25-09-2001	CA2282875 A1	21-03-2000
		FR2783557 A1	24-03-2000
		GB2342109 A	05-04-2000
		NO994586 A	22-03-2000
	•	RU2220278 C2	27-12-2003
	•	•	
US6672392	06-01-2004	. CA2376701 A1	12-09-2003
	•	US2004123987 A1	01-07-2004